			DEPARTMENT OF COMMERCE Patent and Tradomack Office
SEARC	H REQUEST	FORM	
Requestor's LOREHING SPECTO	Seria	ber: 09/1854	11.8
1 .			((-((-7-
Date: $\frac{7/13/60}{}$ Phon	e: <u>308-179</u> =	Art Unit: _/ 	644
Search Topic:			
Please write a detailed statement of search topic. D terms that may have a special meaning. Give exam	escribe specifically as poss	ible the subject matter to	be scarched. Define any
please attach a copy of the sequence. You may inch	pies of relevent chanons, a ude a copy of the broadest	atnors, keyw ords, etc., it i and/or most relevent clain	known. For sequences, n(s).
Point of Contact:			
Barb O'Bryen Technical Info. Specialist			
CM1 12C14 Tel: 308-4291			
. 5	STAFF USE ONLY	,	
Date completed: 7-19 (O	Search Site		dors /
Searcher: $\frac{18 + 25 + 46}{2}$	STIC	7 7	<u>✓</u> 1G
Elapsed time: 700 70	CM-1		/ STN Dialog
CPU time:	Type of Search		Dianog APS
Total time:	30 NASO		Coninfo

A.A. Sequence

Structure

Bibliographie

SDC

GIC Other

DARC/Questel

PTO-1590 (9-90)

Number of Searches:

Number of Databases:

! FINDPATTERNS on pir:* allowing 0 mismatches

1 VCTYRDF(I, R, H, K) YRTV(E, R, H, K) IPGCP(R, H, K) HVAPYFSYPVA - pattern standbed

Databases searched: NBRF, Release 63.0, Released on 30Dec1999, Formatted on 7Mar2000

Total finds: 0, 743
Total length: 58,629,743
Total sequences: 168,808
CPU time: 02:45.75

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! FINDPATTERNS on swp:* allowing 0 mismatches
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1 VCTYRDF(1,R,H,K)YRTV(E,R,H,K)IPGCP(R,H,K)HVAPYFSYPVA

! Q15962 homo sapiens (human). thyrotropin be estation on next page 015962 ck: 3504 len: 87

23: ALSQD

Databases searched:

SWISS-PROT, Release 38.0, Released on 15Feb2000, Formatted on 16Feb2000
SPIREMBL, Release 12.0, Released on 1Nov1999, Formatted on 27Dec1999

Total finds:
Total length: 99,789,095
Total sequences: 309,735
CPU time: 04:30.74

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1:AA_SEQUENCE 1.0

LD 015962
AC 015962
AC 015962
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-NOV-1996 (TrEMBLrel. 12, Last annotation update)
DT 01-NOV-1999 (TrEMBLrel. 12, Last annotation update)
DE HYROTROPIN BETA SUBNIT (FRAGMENT).
CEURATYOTA; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
CC Eutheria; Primates; Catarrhini; Hominidae; Homo.
RN MEDLINE; 93103017.
RA MEDLINE; 93103017.
RA MEDLINE; 93103017.
RL MA. J. Med. Sci. 305.1-7(1993).
DR EMBL; S51112; CAB30302.1; -
DR FRAM: PFO0007; Cys_knot; 1.
FT NON_TER 1
SQ SEQUENCE 87 AA; 9911 MW; B09DF839 CRC32;
O15962 Length: 87 July 18, 2000 16:29 Type: P Check: 3504 ...
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51 VALSCKGKC NTDYSDCTHE AVKTNYCTKP QKSYLVG

1 GYCMTRHING KLFLPKYALS QDVCTYRDFI YRTVEIPGCP HHVAPYFSYP

! FINDPATTERNS on pir: * allowing 0 mismatches

1 VCTYRDF(R,H,K)YRTV(E,R,H,K)IPGCP(L,R,H,K)HVAPYFSYPVA - pattum sanothep

Databases searched: NBRF, Release 63.0, Released on 30Dec1999, Formatted on 7Mar2000

Total finds: 0
Total length: 58,629,743
Total sequences: 168,808
CPU time: 02:44.21

! FINDPATTERNS on swp:* allowing 0 mismatches

1 VCTYRDF(R,H,K)YRTV(E,R,H,K)IPGCP(L,R,H,K)HVAPYFSYPVA - pattem seanohue

Databases searched: SWISS-PROT, Release 38.0, Released on 15Feb2000, Formatted on 16Feb2000 SPTREMBL, Release 12.0, Released on 1Nov1999, Formatted on 27Dec1999

Total finds: 0
Total length: 99,789,095
Total sequences: 309,735
CPU time: 04:34.90

! FINDPATTERNS on pir: * allowing 0 mismatches

1 VCTYRDF(1,R,H,K)YRTV(R,H,K)IPGCP(L,R,H,K)HVAPYFSYPVA - patten standt

Databases searched: NBRF, Release 63.0, Released on 30Dec1999, Formatted on 7Mar2000

Total finds: 0 Total length: 58,629,743 Total sequences: 168,808 CPU time: 02:43.05

! FINDPATTERNS on swp:* allowing 0 mismatches

1 VCTYRDF(1, R, H, K)YRTV(R, H, K)IPGCP(L, R, H, K)HVAPYFSYPVA - pattern searsthed

Databases searched: SWISS-PROT, Release 38.0, Released on 15Feb2000, Formatted on 16Feb2000 SPTREMBL, Release 12.0, Released on 1Nov1999, Formatted on 27Dec1999

Total finds: 0 Total length: 99,789,095 Total sequences: 309,735 CPU time: 04:30.65

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alpha-11.res
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Selected search type is key against sequence data banks or files. Selected scope is Sequence.
Selected sequence key from "new.key":
alpha-ll (AA) ID alpha-ll AA preliminary pattern
                                                                               Quest - Quick User-directed Expression Search Tool Release 5.4
                                                                                                                                          -- Outline of search "alpha-11"
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Indirect file Sequence or key file Name and annotations List of hits Hit display -- Output Parameters --Data bank : A-GeneSeq 35.2, all entries Data bank : Issued_AA , all entries Data bank : Pending_AA , all entries Exact No Yes Yes Yes Format Options:

Nucleic acid code matching E Find non-matching hits only N Report key used
Note position of hit Display full annotations
Sequence context

Selected data banks and files:

No No Yes Yes

-- Run Parameters --

Batch now No Run mode Time to start comparison Notify at end of run

No hits found.

-- Search Statistics --

Total Elapsed 00:24:46.00 1068391 0 0 0 CPU 00:21:19.04 Number of sequences searched: Number of sequence hits: Number of separate matches: Number of sequence hits saved: Times:

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No
No
Yes
Yes
                                                                                                                                                     Selected search type is key against sequence data banks or files. Selected scope is Sequence.
Selected sequence key from "new.key":
alpha-13 (AA) ID alpha-13 AA preliminary pattern
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Sequence or key file
List of hits
Hit display
Name and annotations
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                                                                                                                   -- Outline of search "alpha-13" --
                                                               Quest - Quick User-directed Expression Search Tool
Release 5.4
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Data bank : Issued_AA , all entries
Data bank : Pending_AA , all entries
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00:22:00.03
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Nucleic acid code matching E Find non-matching hits only N Report key used
Note position of hit Display full annotations
Sequence context
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Number of sequence hits:
Number of separate matches:
Number of sequence hits saved:
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Time to start comparison
Notify at end of run
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No
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Selected sequence key from "new.key":
alpha-14 (AA) ID alpha-14 AA preliminary pattern
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
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                                                                                                             -- Outline of search "alpha-14" --
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                                                        Quest - Quick User-directed Expression Search Tool Release 5.4
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Data bank : Issued_AA , all entries
Data bank : Pending_AA , all entries
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Nucleic acid code matching 1
Find non-matching hits only 1
Report key used
Note position of hit
Display full annotations
Sequence context
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Number of sequence hits:
Number of separate matches:
Number of sequence hits saved:
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Time to start comparison
Notify at end of run
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No
No
Yes
Yes
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Sequence or key file
List of hits
Hit display
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                                                                                                   -- Outline of search "alpha-16" --
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                                                        Quest - Quick User-directed Expression Search Tool Release 5.4
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Data bank : Issued_AA., all entries .
Data bank : Pending_AA , all entries
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00:20:44.05
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Nucleic acid code matching 18
Find non-matching hits only 18
Report key used
Note position of hit
Display full annotations
Sequence context
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of separate matches:
of sequence hits saved:
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No
No
Yes
Yes
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Selected sequence key from "new.key":
alpha-17 (AA) ID alpha-17 AA preliminary pattern
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
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                                                        Quest - Quick User-directed Expression Search Tool Release 5.4
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Data bank : Issued_AA , all entries
Data bank : Pending_AA , all entries
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Nucleic acid code matching I Find non-matching hits only I Report key used
Note position of hit Display full annotations
Sequence context
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Number of sequence hits:
Number of separate matches:
Number of sequence hits saved:
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Time to start comparison
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Selected search type is key against sequence data banks or files. Selected scope is Sequence.
Selected sequence key from "new.key":
alpha-20 (AA) ID alpha-20 AA preliminary pattern
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Sequence or key file
List of hits
Hit display
Name and annotations
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00:35:56.00
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                                                                                                                       -- Outline of search "alpha-20" --
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Data bank : Issued_AA , all entries
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00:20:57.12
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Nucleic acid code matching Find non-matching hits only heport key used
Note position of hit bisplay full annotations
Sequence context
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Number of separate matches:
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Time to start comparison
Notify at end of run
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! FINDPATTERNS on pir: * allowing 0 mismatches

1 APDVQDCPEC(T,R,K,H)L(Q,R,H,K)(E,R,H,K)N(P,R,H,K)(F,R,H,K)FS(R,H,K)PGAPIL - JOA HEM SERNOMA

Databases searched: NBRF, Release 63.0, Released on 30Dec1999, Formatted on 7Mar2000

Total finds: 0
Total length: 58,629,743
Total sequences: 168,808
CPU tlme: 03:04.96

1

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! FINDPATTERNS on swp:* allowing 0 mismatches
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1 APDVQDCPEC(T,R,K,H)L(Q,R,H,K)(E,R,H,K)N(P,R,H,K)(F,R,H,K)FS(R,H,K)PGAPIL —

Databases searched: SWISS-PROT, Release 38.0, Released on 15Feb2000, Formatted on 16Feb2000 SPIREMBL, Release 12.0, Released on 1Nov1999, Formatted on 27Dec1999

Total finds: 0
Total length: 99,789,095
Total sequences: 309,735
CPU time: 05:07.96

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